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CR-131304

TYPE I PROGRESS REPORT (For the period 8 February 1973 to 8 April 1973)

TITLE: Effects of Construction and Staged Filling of Reservoirs
on the Environment and Ecology MMC #341

PRINCIPAL INVESTIGATOR: Dr. Ravinder K. Jain
U.S. Army CERL
P. O. Box 4005
Champaign, Illinois 61820

GSFC ID NUMBER: DE 335

OBJECTIVE: To study the environmental and ecological impact of the
construction and operation of Oakley Dam and Friends Creek
Impoundment located on the Sangamon River in East Central
Illinois.

1. A new Data Analysis Plan (DAP) was submitted to Goddard Space Flight Center (GSFC) on 15 February 1973. [REDACTED] The new DAP was approved on 5 March 1973.
2. A digital planimetric map for one of the stereomodels of underflight photography was produced on the Wild A7 stereoplotter.
3. Work is well underway on an interpretation test for two levels (overall and detailed), to set a standard of comparison for enhanced images.
4. An operational procedure for handling the expected larger volume of data was tentatively worked out on the basis of earlier experiments, conducted as the DAP was being developed. Color composites have just been received and it is expected some additional experimentation will be needed to develop the operational procedure before the mass production phase of the project can begin.
5. There has been a delay in the delivery of the Agfacontour film. This film is not available through the U.S. dealership of Agfa-Gevaert and the order was placed through a dealer in Canada, as recommended by the U.S. dealer. Further experimentation will be necessary to refine the operational procedure upon receipt of the Agfacontour film.
6. During this reporting period, ERTS-1 imagery was received for the following dates: 17 January 1973, 4 and 5 February 1973, 22 and 23 February 1973. ERTS Data Request Forms were submitted on 14 March and 10 April 1973, to the NDPF at GSFC. As of 8 April 1973, bulk color images that were requested for the study area have been received for the following dates: 9 August 1972, 1 and 2 October 1972, 19 October 1972, and 24 November 1972.
7. On 16 February 1973, word was received that aircraft coverage of the study area would be discontinued after the 1972-73 winter flight was conducted. Reinstatement of aircraft coverage was requested in a letter

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E13-10484) EFFECTS OF CONSTRUCTION AND
STAGED FILLING OF RESERVOIRS ON THE
ENVIRONMENT AND ECOLOGY Progress Report,
8 Feb. - 8 Apr. (Corps of Engineers,
Champaign, Ill.)

dated 21 February 1973, as aircraft coverage is essential for the accomplishment of the study under the new DAP. GSFC approved the request on 3 April 1973.

8. Ames Research Center informed us the 1972-73 winter aircraft coverage of the study area was obtained by a U-2 on 21 March 1973.